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## U.S. Army Influenza Activity Report

Week Ending 5 November 2016 (Week 44)

### 2016-2017 Seasonal Influenza Vaccination Coverage

As of 10 November 2016

69%	DoD
78%	Army Active Duty
57%	Army Guard
53%	Army Reserve

Data Source: MEDPROS, ASIMS, MRRS

**SYNOPSIS:** Influenza vaccination coverage has increased across Army service components since week 43. The number of influenza A-positive specimens has also increased.

- **ILI Activity:** Army incident ILI outpatient visits in week 44 were 6% lower than the same week last year.
- **Influenza cases:** No hospitalized influenza cases were reported to APHC through DRISi in week 44; At this same time during the last influenza season, two influenza-associated hospitalization was reported.
- **Viral specimens:** During week 44, 73 of 667 (11%) laboratory specimens tested positive for respiratory pathogens. RHC-E reported most (42%) of the influenza A-positive specimens, followed by RHC-P (33%), RHC-C (17%), and RHC-A (8%).

### Geographic Spread

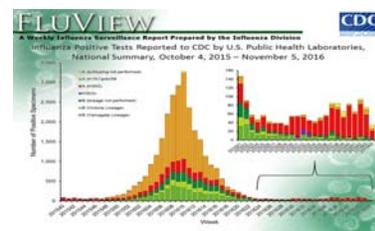


### United States

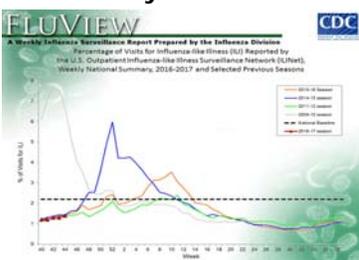
- In week 44, regional influenza activity was reported by Guam, Puerto Rico and New Hampshire. Local activity was reported in CA, HI, ME, MA, OK, and OR. The District of Columbia, U.S. Virgin Islands, and 39 states reported sporadic activity. No activity was reported by four states.

### CDC Virologic Surveillance

- During week 44, 91.2% (31) of specimens collected from civilian labs tested positive for Influenza A. A(H3) accounted for 18 of the 31 samples, five were A (H1N1)pdm09 and eight were not subtyped.

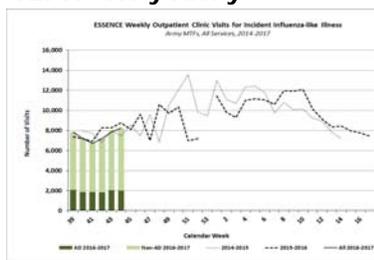


### ILI Activity United States



- Nationwide during week 44, 1.4% of outpatient visits reported in ILINet were due to ILI, which is below the national baseline of 2.2%.
- The percentage of ILI outpatient visits ranged from 0.5% to 2.4% across the regions reporting.

### ILI Activity Army



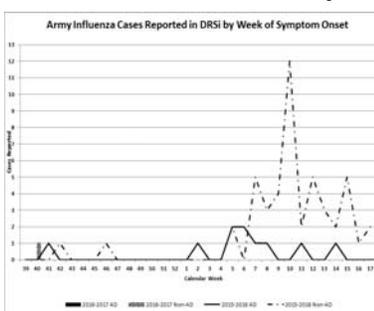
- During week 44, incident ILI activity was 6% lower than the same time last year and 10% higher than week 44 in 2014-2015.
- AD SMs accounted for 24% of incident ILI clinic visits during week 44; in 2015-2016, AD SMs comprised 23% of ILI clinic visits on average.

### Laboratory Respiratory Specimen Testing

Test Result	Week 41	Week 42	Week 43	Week 44	Season Total
Influenza A	2	7	4	12	34
Influenza B	3	4	5	3	19
Adenovirus	6	11	7	5	31
Enterovirus	14	8	12	6	43
Parainfluenza	12	8	14	9	46
RSV	36	26	45	38	159
Negative	499	579	501	594	2637
<b>Total Results</b>	<b>572</b>	<b>643</b>	<b>588</b>	<b>667</b>	<b>2969</b>

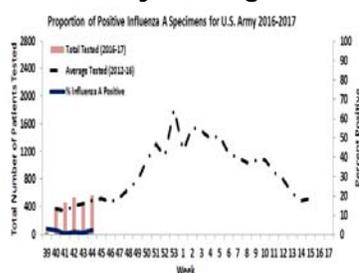
- In week 44, 11% (73) of specimens tested positive.
- RSV and influenza A accounted for 52% and 16% of positive specimens, respectively.
- Parainfluenza accounted for 12% of positive specimens.
- Adenovirus accounted for 7%, and influenza B for 4%.

### DRSi Influenza Case Reporting



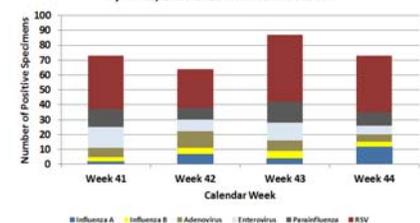
- In week 44, no cases of influenza-associated hospitalization were reported in DRISi.
- At the same time last influenza season, two influenza-associated hospitalizations were reported. One case has been reported so far this season.

### Laboratory Testing for Influenza A



- In week 44, 12 of 567 (2.1%) specimens tested positive for influenza A. This was an increase from week 43 (0.8%). Eight (67%) of the positive influenza A specimens were from non-active duty individuals.
- RHC-E reported 5 (42%) of the total influenza A-positive specimens. RHC-P reported 4 (33%) positive specimens, RHC-C reported 2 (17%), and RHC-A reported 1 (8%). CENTCOM did not report any positive influenza-A specimens.

### Positive Respiratory Specimen Results from Army MTFs by Virus, 2016-2017 Influenza Season



**Additional Resources:** [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#)  
**Key:** ILI- Influenza-Like Illness; DRISi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV- Adenovirus; RSV-Respiratory Syncytial Virus; DED- Disease Epidemiology Division; SM-Service Member

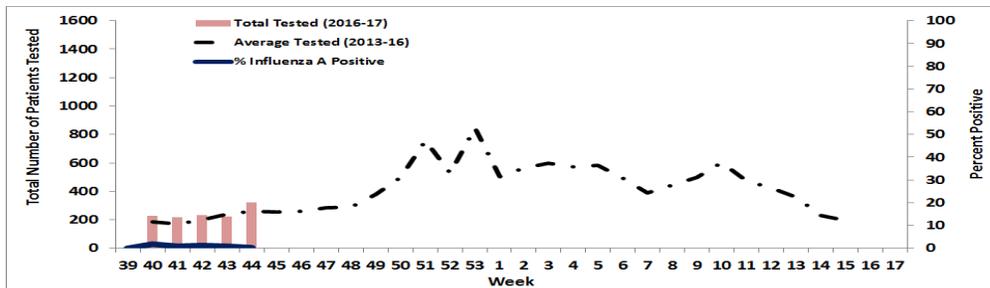
**Questions?**  
[Email APHC\\_DEP](mailto:Email APHC_DEP)  
 410-436-7605



## U.S. Army Influenza Activity Report

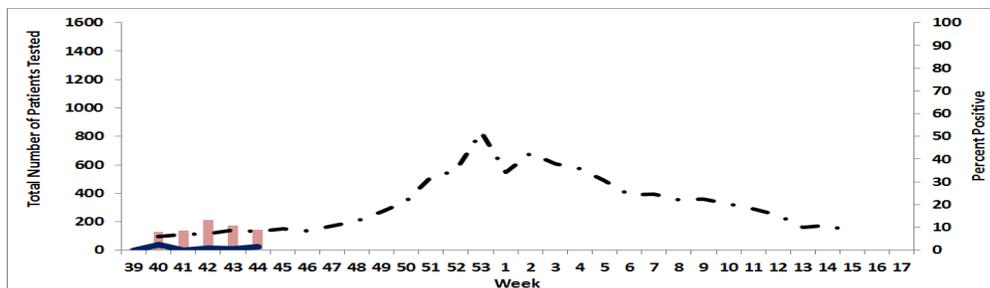
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2016-2017 as Compared to 2013-2016

### Regional Health Command - Atlantic (RHC-A)



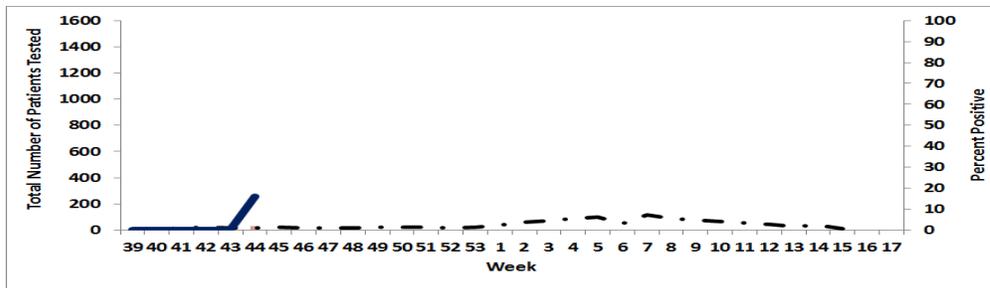
Week 44			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	5
18-29	0	0	3
30-39	0	0	0
40-49	0	0	1
50-59	0	1	2
60+	0	0	1
<b>Total</b>	<b>0</b>	<b>1</b>	<b>12</b>

### Regional Health Command - Central (RHC-C)



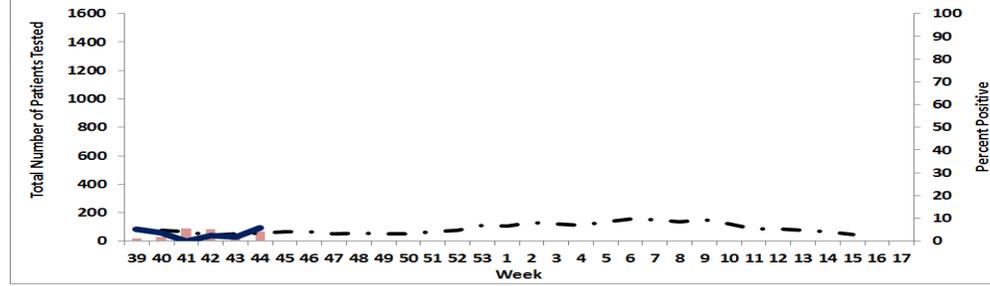
Week 44			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	1
18-29	0	0	2
30-39	1	0	1
40-49	0	0	0
50-59	0	1	3
60+	0	0	1
<b>Total</b>	<b>1</b>	<b>1</b>	<b>8</b>

### Regional Health Command - Europe (RHC-E)



Week 44			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	0
18-29	2	1	3
30-39	0	0	0
40-49	1	0	1
50-59	0	0	0
60+	0	1	1
<b>Total</b>	<b>3</b>	<b>2</b>	<b>5</b>

### Regional Health Command - Pacific (RHC-P)



Week 44			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	0	3
18-29	0	0	1
30-39	0	1	2
40-49	0	0	0
50-59	0	2	2
60+	0	1	1
<b>Total</b>	<b>0</b>	<b>4</b>	<b>9</b>

Number of Positive Influenza A Specimens by Duty Status and Region

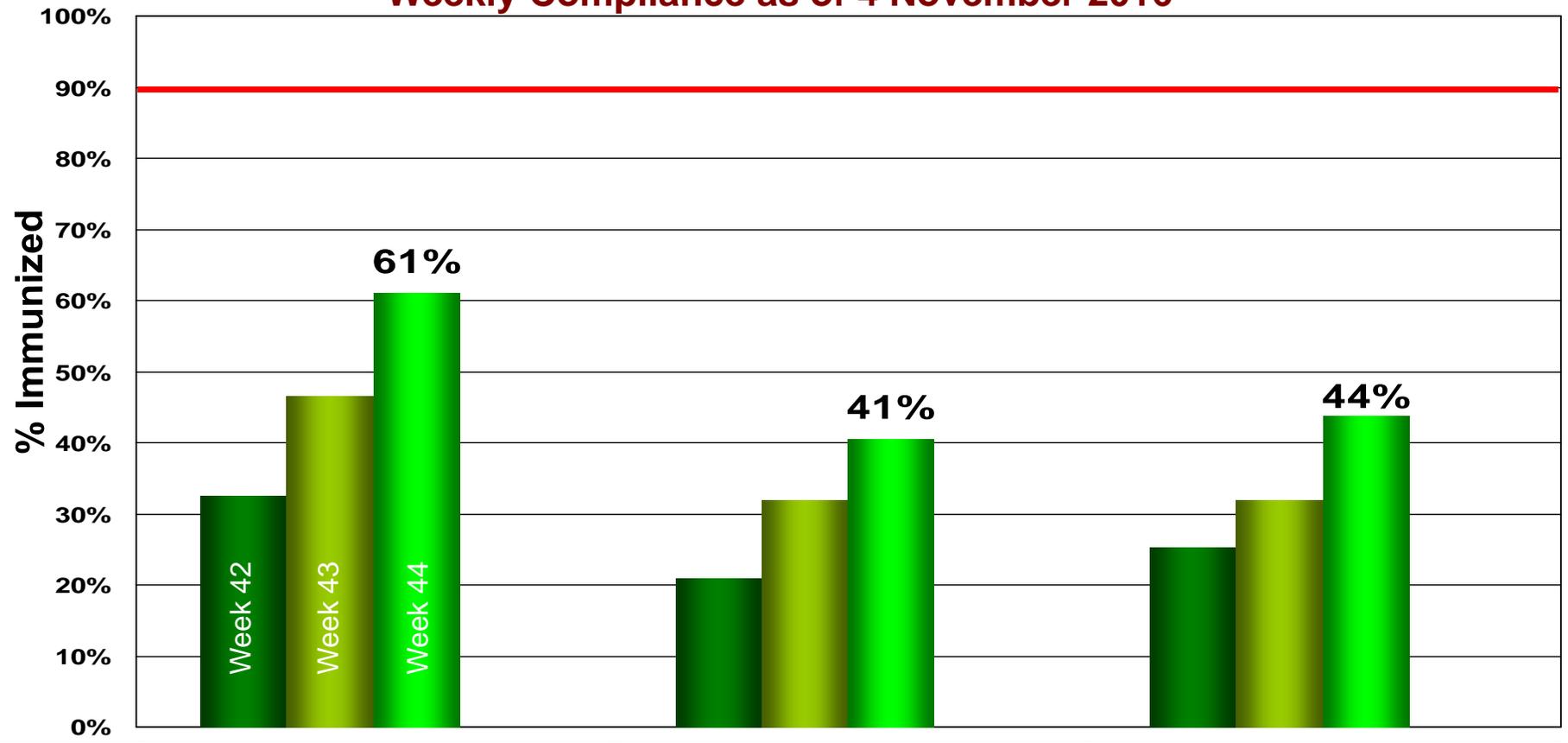
Region	Week 39		Week 40		Week 41		Week 42		Week 43		Week 44		Week 45		Week 46	
	AD	Non-AD														
RHC-A	0	0	1	3	1	1	1	2	1	1	0	1				
RHC-C	0	0	1	2	0	0	0	2	1	0	1	1				
RHC-E	0	0	0	0	0	0	0	0	0	0	3	2				
RHC-P	0	1	0	1	0	0	1	1	0	1	0	4				
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0				

Locations providing week 44 laboratory data as of 9 November 2016: Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, West Point, and Walter Reed.



# Seasonal Influenza Immunization Status

Weekly Compliance as of 4 November 2016



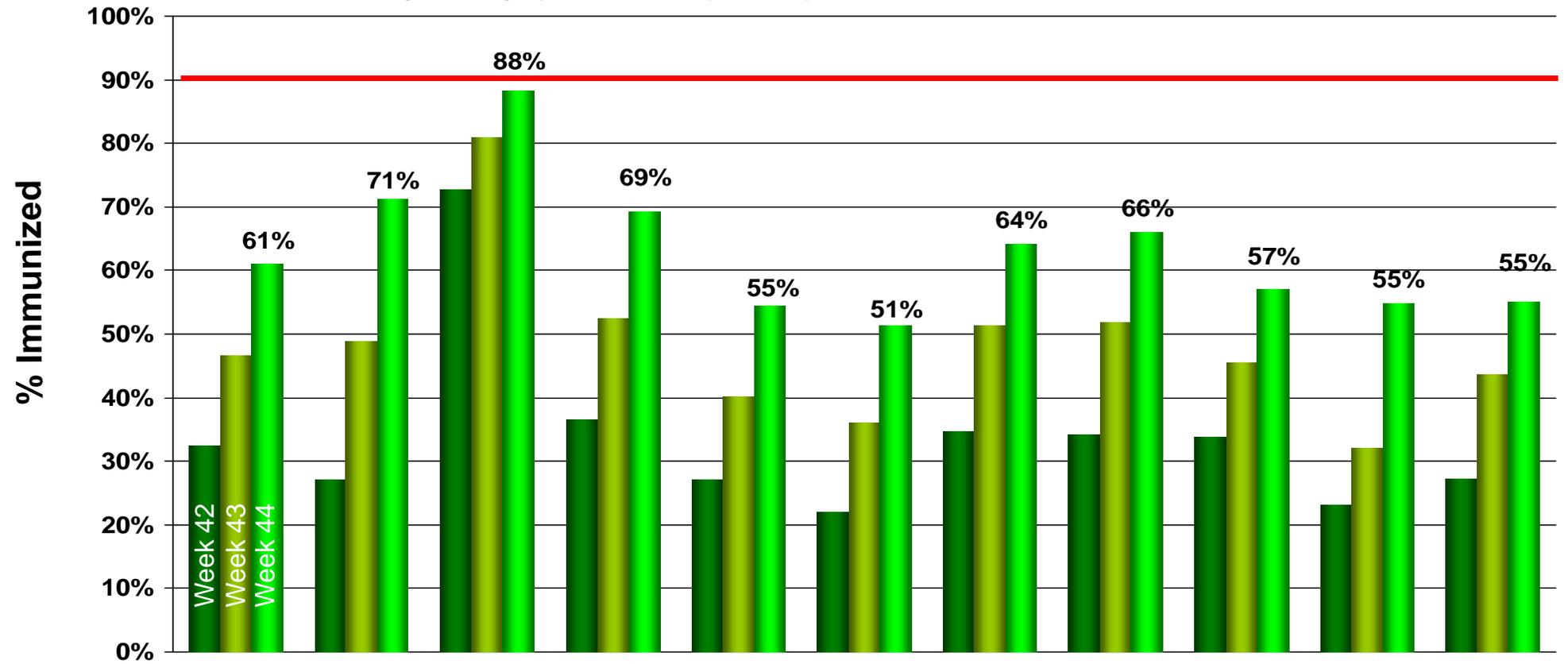
	Active Army (COMPO 1)	National Guard (COMPO 2)	Reserve (COMPO 3)
# Eligible*	467,955	336,298	186,916
# Immunized	285,298	136,090	81,597
# Non-Immunized	182,657	200,208	105,319

Data Source: MEDPROS  
 \*Eligible = Assigned – Exempt  
 Previous weeks included for comparison



# Seasonal Influenza Immunization Status

Weekly Army (COMPO 1) compliance as of 4 November 2016



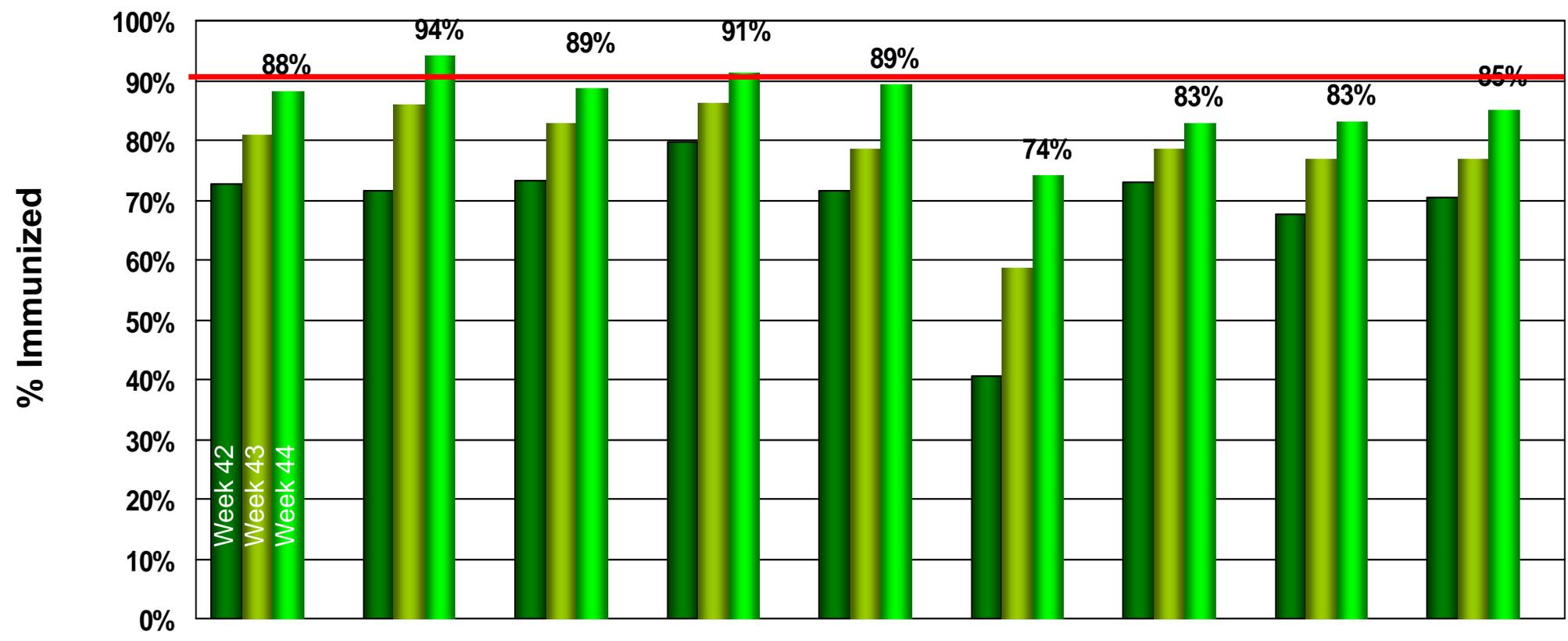
	Active ARMY Total	USAREUR	MEDCOM	USARPAC	FORSCOM	ARCENT	AMC	TRADOC	USASOC	IMCOM	HQ, US ARMY
# Eligible*	467,955	18,802	28,285	43,738	217,202	1,861	2,666	75,385	29,824	4,180	3,654
# Immunized	285,298	13,400	24,985	30,270	118,458	954	1,711	49,839	16,987	2,295	2,008
# Non-Immunized	182,657	5,402	3,300	13,468	98,744	907	955	25,546	12,837	1,885	1,646

Data Source: MEDPROS  
 \*Eligible = Assigned – Exempt  
 Previous two weeks included for comparison



# Seasonal Influenza Immunization Status

MEDCOM (COMPO 1) compliance as of 4 November 2016



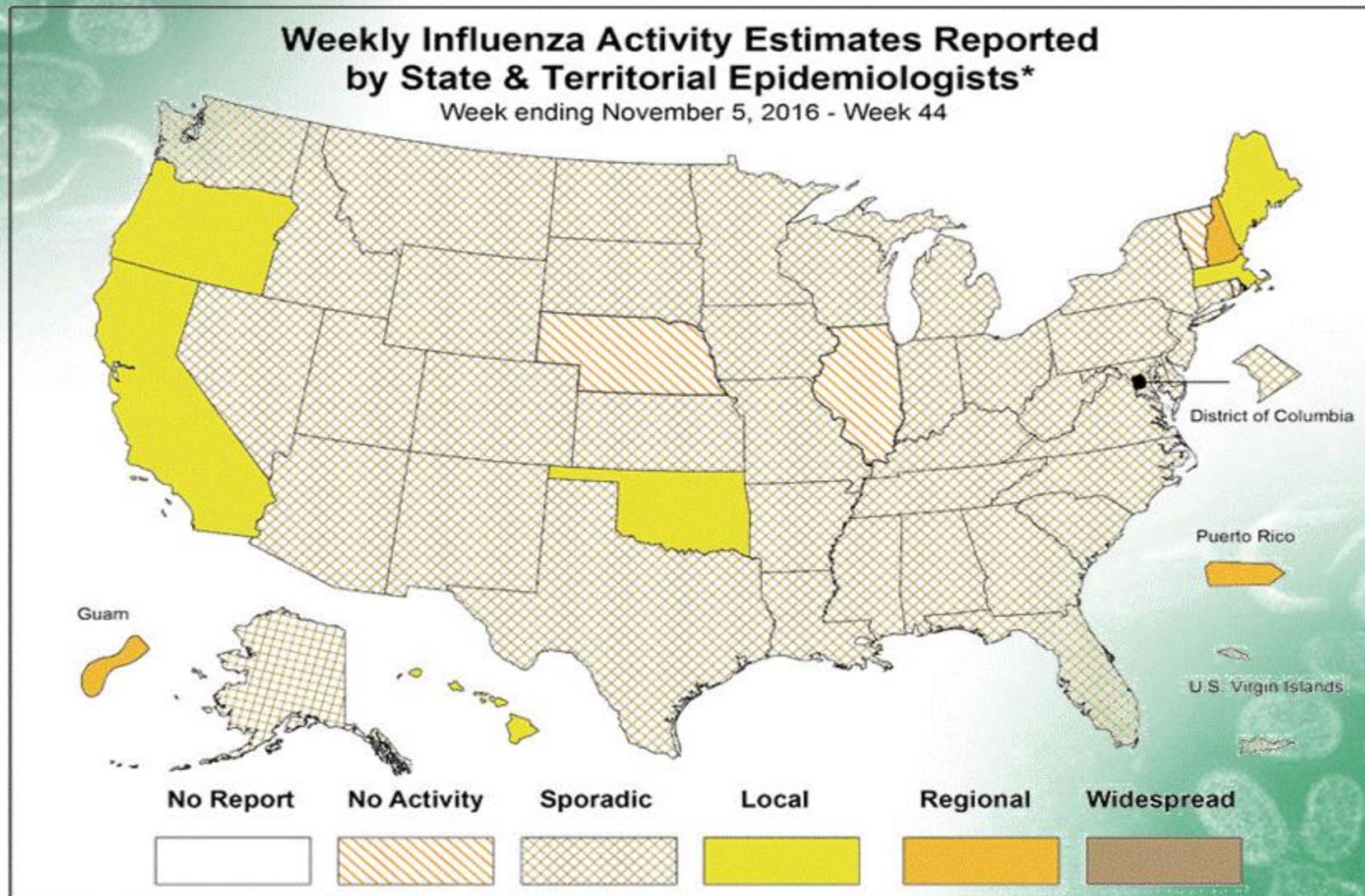
	MEDCOM Total	RHC-E	RHC-P	RHC-C	RHC-A	MRMC	AMEDD C&S	OneStaff**	DHA NCR Army Personnel
# Eligible*	28,285	1,750	4,768	6,428	6,819	1,059	3,984	501	2,419
# Immunized	24,985	1,649	4,227	5,880	6,102	786	3,297	417	2,063
# Non-Immunized	3,300	101	541	548	717	273	687	84	356

Data Source: MEDPROS  
 \*Eligible = Assigned - Exempt  
 \*\*Includes MEDCOM North & South  
 Previous two weeks included for comparison

# FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division



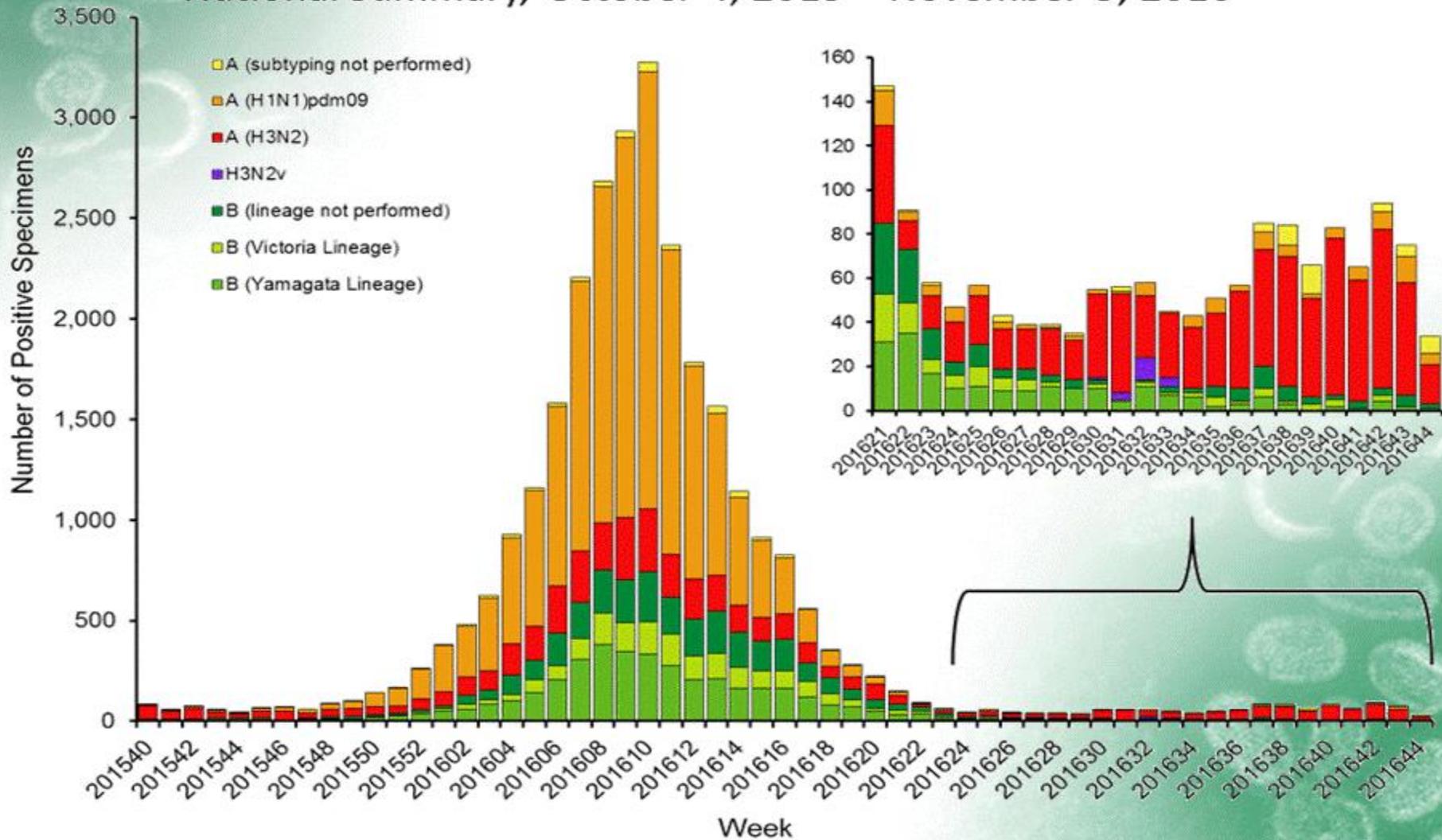
\* This map indicates geographic spread & does not measure the severity of influenza activity

# FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories,  
National Summary, October 4, 2015 – November 5, 2016

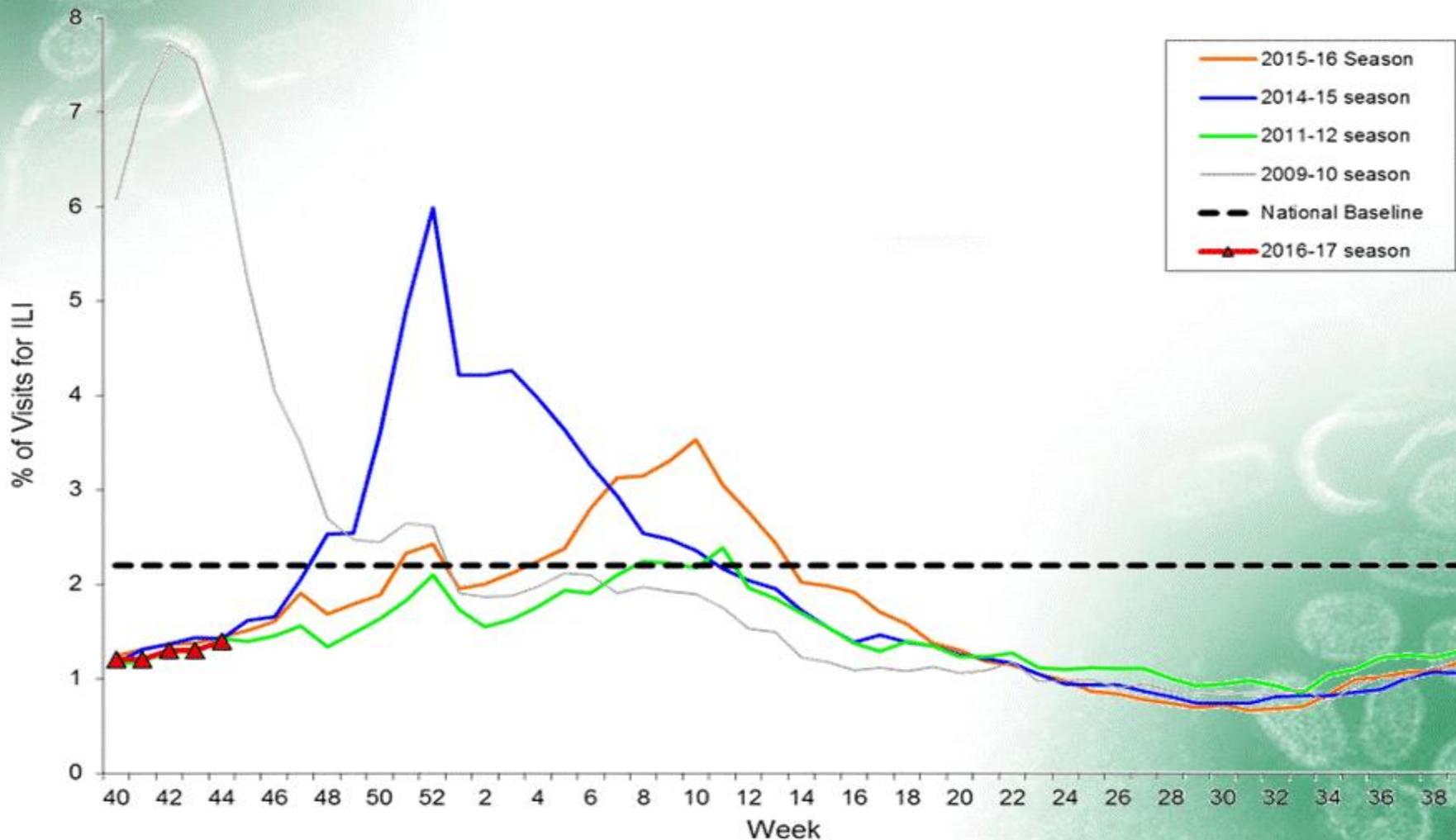


# FLUVIEW



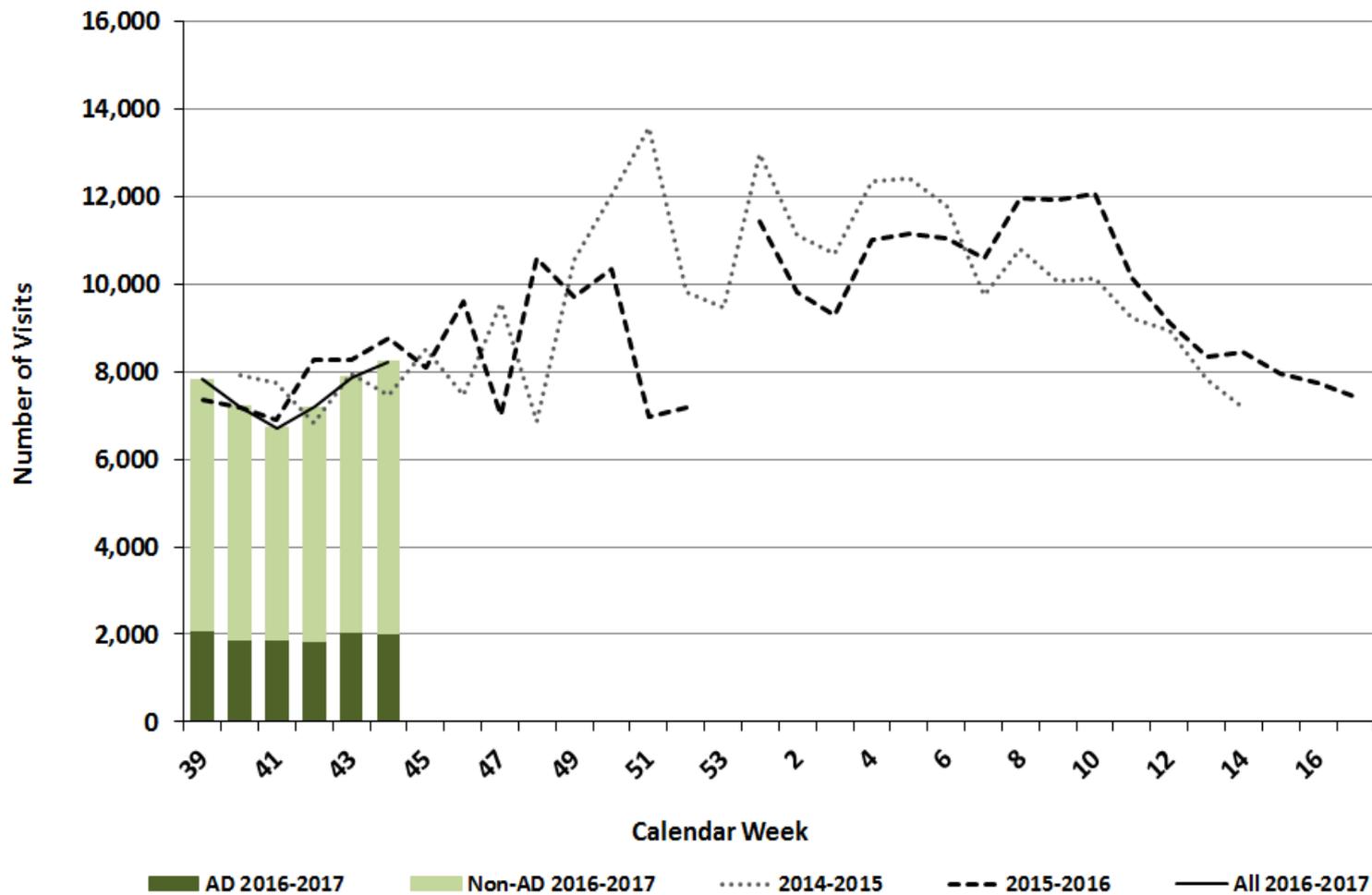
## A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2016-2017 and Selected Previous Seasons



### ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2014-2017

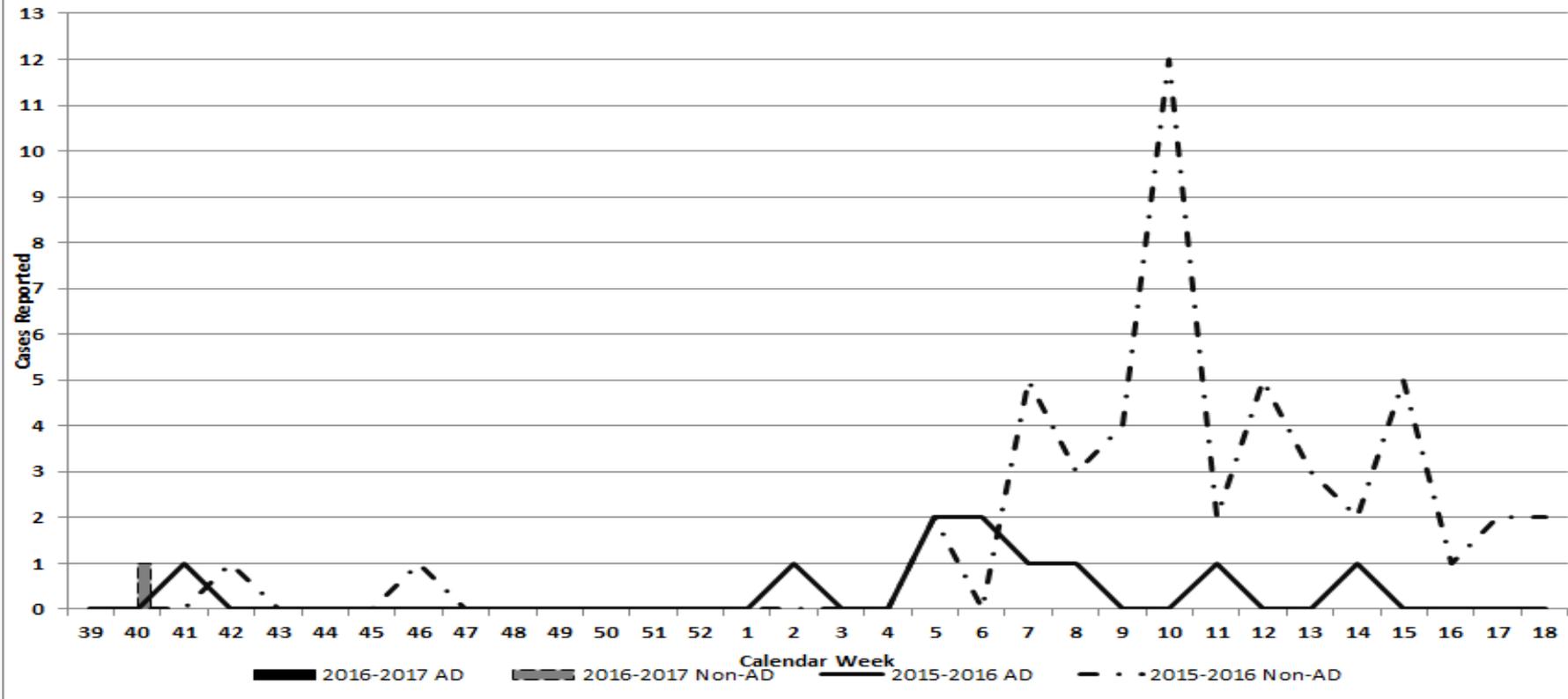


Clinic visits for ILI are obtained from ESSENCE. Data as of 14 November 2016.

### Army MTF Laboratory Results, 2016-17

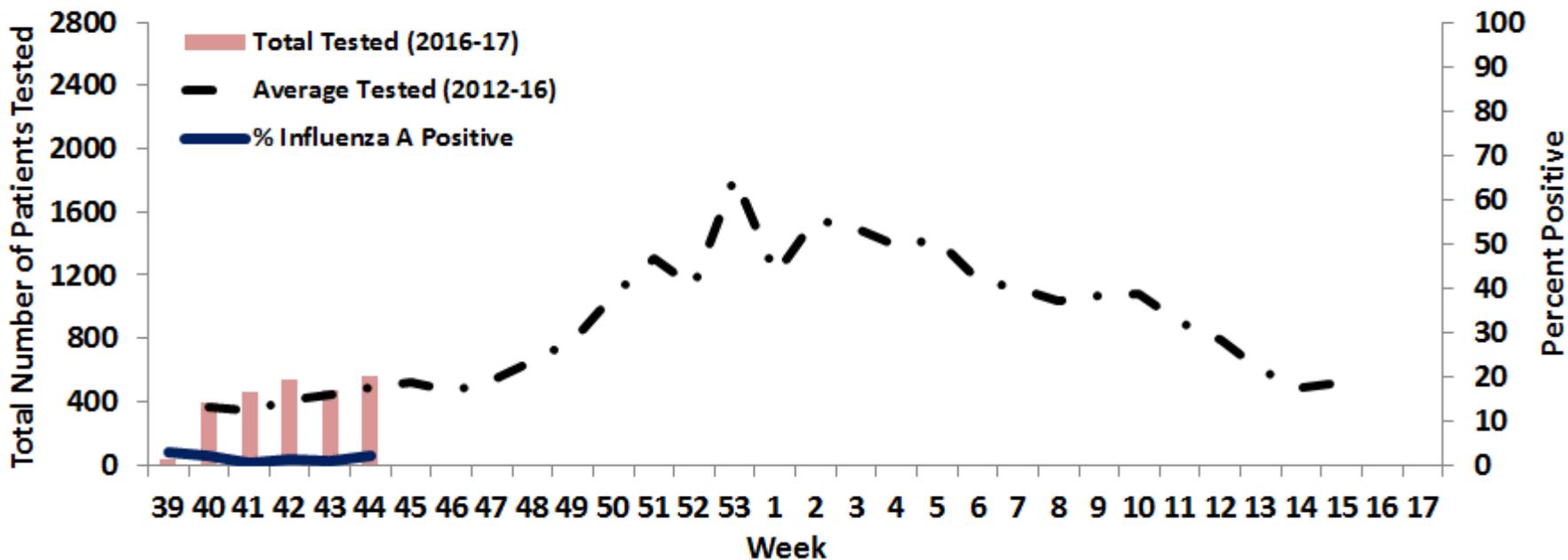
Test Result	Week 41	Week 42	Week 43	Week 44	Season Total
Influenza A	2	7	4	12	<b>34</b>
Influenza B	3	4	5	3	<b>19</b>
Adenovirus	6	11	7	5	<b>31</b>
Enterovirus	14	8	12	6	<b>43</b>
Parainfluenza	12	8	14	9	<b>46</b>
RSV	36	26	45	38	<b>159</b>
<i>Negative</i>	<i>499</i>	<i>579</i>	<i>501</i>	<i>594</i>	<b>2637</b>
<b>Total Results</b>	<b>572</b>	<b>643</b>	<b>588</b>	<b>667</b>	<b>2969</b>

### Army Influenza Cases Reported in DRSi by Week of Symptom Onset

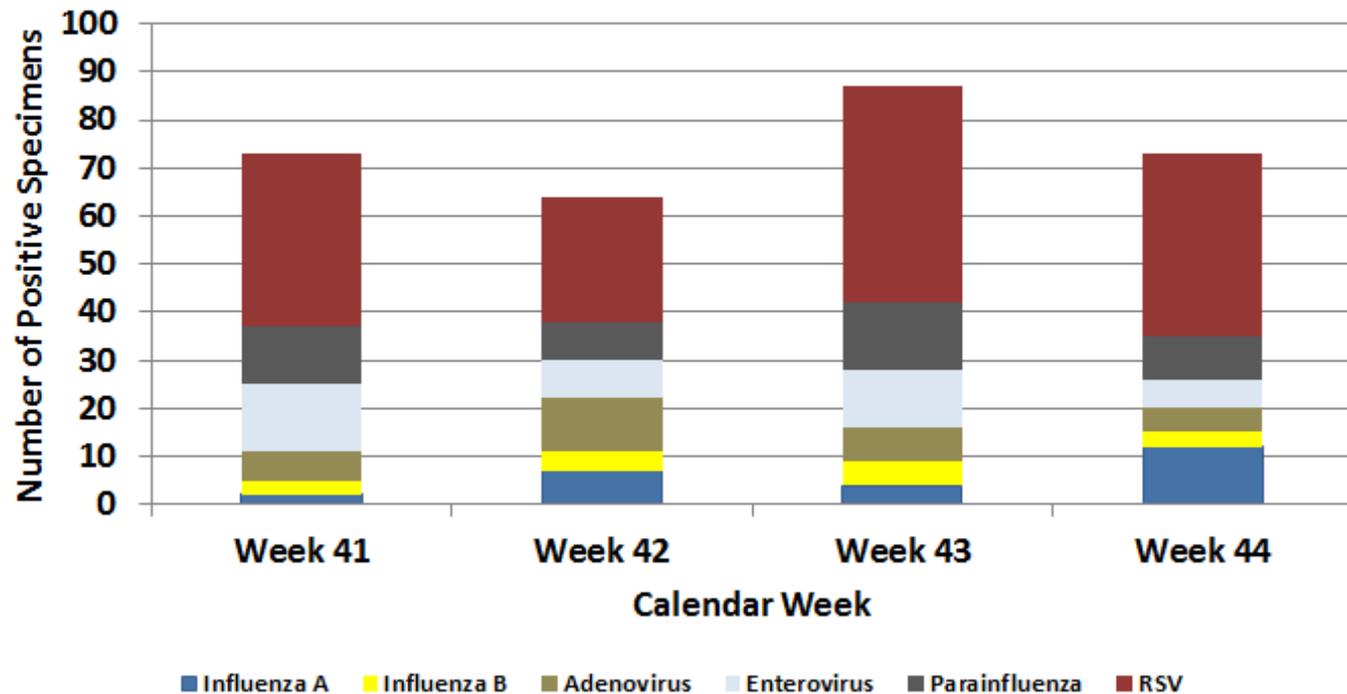


**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
 Data as of 14 November 2016.

### Proportion of Positive Influenza A Specimens for U.S. Army 2016-2017



## Positive Respiratory Specimen Results from Army MTFs by Virus, 2016-2017 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 39		Week 40		Week 41		Week 42		Week 43		Week 44		Week 45		Week 46	
	AD	Non-AD														
RHC-A	0	0	1	3	1	1	1	2	1	1	0	1				
RHC-C	0	0	1	2	0	0	0	2	1	0	1	1				
RHC-E	0	0	0	0	0	0	0	0	0	0	3	2				
RHC-P	0	1	0	1	0	0	1	1	0	1	0	4				
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0				